WHAT IS CLAIMED IS:

1. An endoscopic spraying instrument in which liquid passed through a liquid supplying tube and a rotatingly guiding groove disposed at a leading end side of the supplying tube is rotated about an central axis within a liquid rotating chamber disposed at a leading end side of the rotatingly guiding groove and discharged forwardly from an ejection hole formed in a leading end wall of the liquid rotating chamber, the instrument comprising:

an annular, protruded wall, which is spaced outwardly from an outer periphery of the ejection hole, which is protruded forwardly, and which surrounds an exit of the ejection hole.

2. The instrument of claim 1, wherein an wall surface extending between the outer periphery of the ejection hole and the annular, protruded wall is defined by a tapered surface or a curved, concave surface.

3. The instrument of claim 1, wherein an wall surface extending between the outer periphery of the ejection hole and the annular, protruded wall is defined by a planar surface perpendicular to an axis of the ejection hole.

4. The instrument of claim 1, wherein a wall surface of the annular, protruded wall is parallel to an axis of the ejection hole.

5. The instrument of claim 1, wherein a wall surface of the annular, protruded wall is defined by a forwardly spread surface or a forwardly constricted surface.

6. A cap member to be provided to a leading end of an endoscopic spraying device, the cap member comprising:

a cylindrical portion defining an interior of the cap member; and

a leading end wall at a leading end of the cylindrical portion, the leading end wall separating the interior of the cap member from an exterior thereof, the leading end wall having an ejection hole communicating the interior with the exterior, the leading end wall including:

a first wall surface in the exterior of the cap member, the first wall surface extending radially outwardly from an outer periphery of the ejection hole; and

a second wall surface in the exterior of the cap member, the second wall surface extending longitudinally outwardly from an outer periphery of the first wall surface.

7. The cap of claim 6, wherein the first wall surface is conical.

8. The cap of claim 7, wherein the first wall surface is curved in section.

9. The cap of claim 7, wherein the first wall surface

is planar in section.

10. The cap of claim 6, wherein the first wall surface is planar.

11. The cap of claim 6, wherein the second wall surface extends radially inwardly from the periphery of the first wall surface.

12. The cap of claim 6, wherein the second wall surface extends radially outwardly from the periphery of the first wall surface.